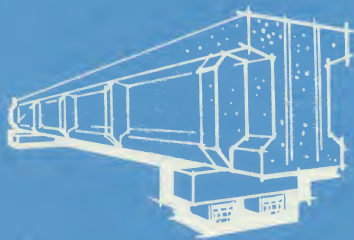
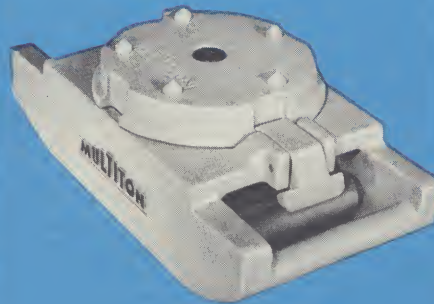
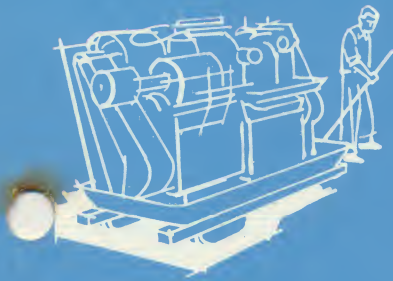
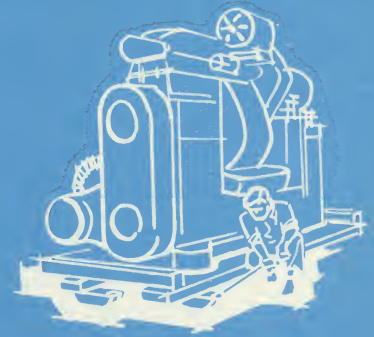
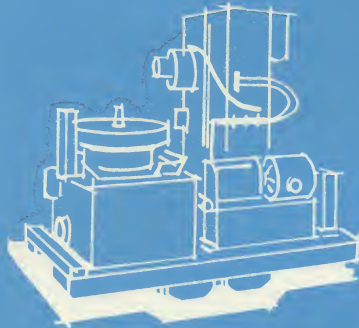
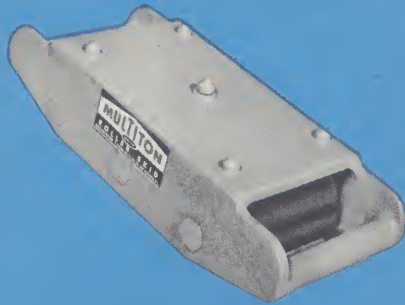


MISCELLANEOUS

THE WINNING MOVE

FOR YOUR HEAVY MACHINERY & LOADS

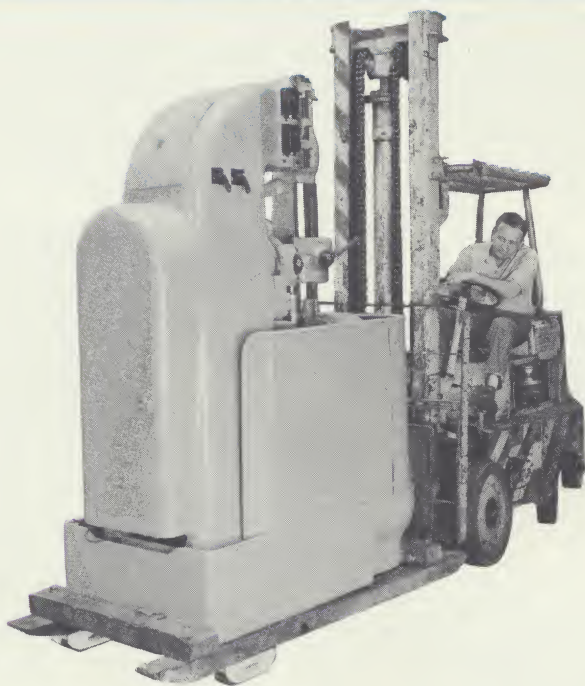


MULTITON[®] ROLLER SKIDS

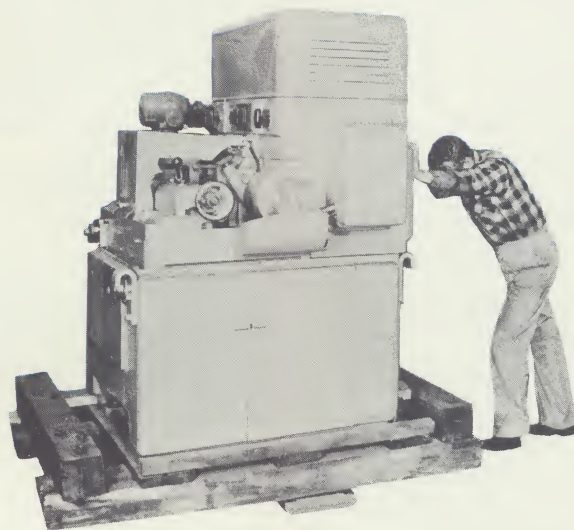
MAKE SHORT WORK OF HEAVY MOVING JOBS FROM 1,000 TO 600,000 LBS.

STOKVIS MULTITON CORP. Port Washington, New York 11050

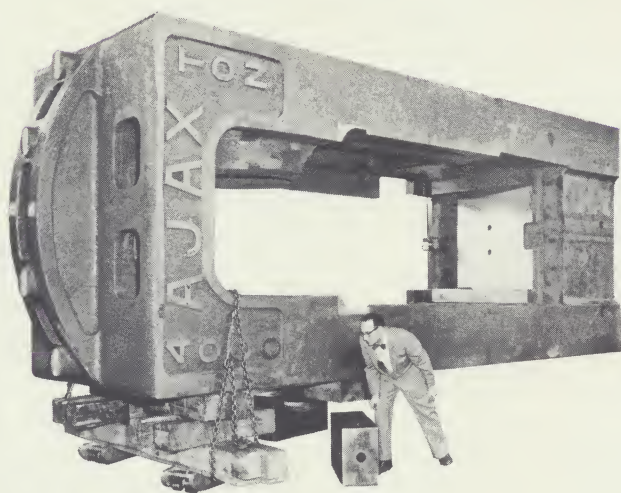
MULTITON ROLLER SKIDS* ARE — YET DURING A SINGLE MO



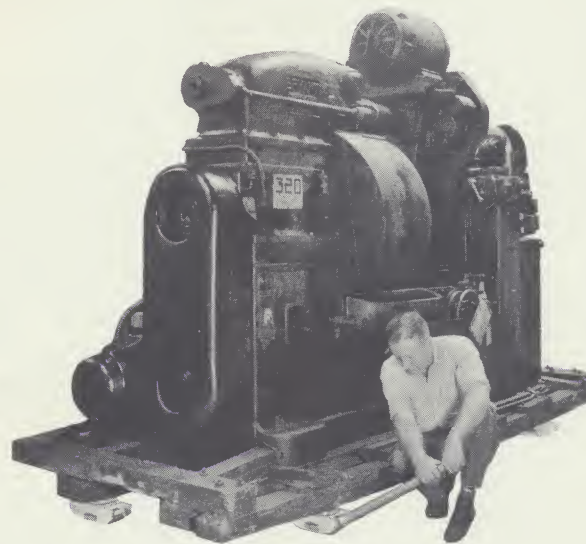
Equipment that is too heavy—or too large—for a fork lift truck can be moved easily by adding Multiton roller skids. This gear hobber is supported in front by two Mark 4 roller skids which carry two-thirds of the load.



Lighter loads (from 1,000 to 6,000 lbs.) roll right along with Multiton Junior dollies. Pictured above is a 3000 lb. machine being carried by two Junior roller skids placed parallel and close to the center of gravity.



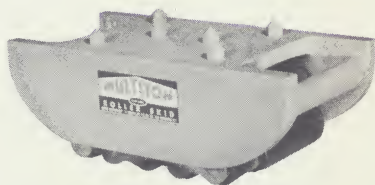
Giant-sized loads like this 275-ton press casting can be moved from place to place with a pair of Multiton Mark 6 dollies. (Tractive power was supplied by a 30-ton crane.)



Turns are never a problem. After swiveling Multiton Mark 4S dollies into position, this 8-ton Bryant Grinder is ready for a 90° broadside turn.

DESIGNED AND BUILT TO GIVE YOU VE THEY MAY SAVE YOU MORE

Straight Motion Type Dollies □ To be used when load can be conveniently mounted on two such dollies; if not, add one or two swivel type dollies for three or four point support. Motions possible: straight back and forth, and all turns except for 90° broadsides.

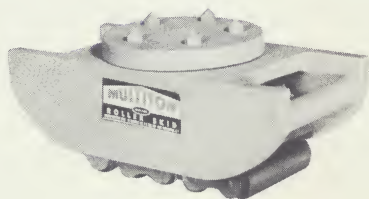


Mark 4 □ Heavy-duty roller skid. Rugged alloy frame fitted with hardened gripping teeth. Rolls on an endless chain composed of 12 rollers. Links and holding pins are of hardened, high-tensile alloy steels.



Mark 5 □ Overall design and materials are identical to Mark 4, but roller chain consists of 14 rollers and is also wider for a more favorable distribution of weight. Therefore, the Mark 5 is preferred to the Mark 4 wherever heavier loads are involved or floors are weak.

Swivel Type Dollies □ To be used when loads cannot be mounted on a pair of dollies. Can be used in sets of 3 or 4, or, in combination with straight motion type dollies. Motions possible: Straight back and forth; all turns, including 90° broadsides.

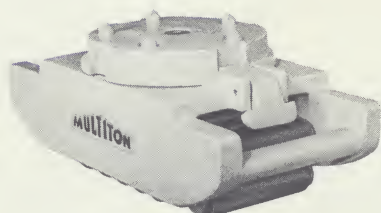


Mark 4S □ Frame and roller chain identical to the Mark 4, with the addition of a 360° swivel plate on a low-friction brass surface. This plate is fixed to the frame and fitted with hardened gripping teeth.



Mark 5S □ Overall design and materials are identical to the Mark 4S, but roller chain consists of 14 rollers and is also wider for a more favorable distribution of weight. Therefore, the Mark 5S is preferred to the Mark 4S wherever heavier loads are involved or floors are weak.

Turn & Lock Type Dollies □ Combine the features of straight-motion and swivel type dollies in one unit. May be used in pairs, or in sets of 3 and 4. Motions possible: All.



Mark TL5 □ Frame and roller chain similar to Mark 5. Fitted with a special 360° swivel plate notched each 90° and a spring mounted latching mechanism that can be released by a turning connector. Performs like a straight motion dolly when locked, like a swivel type dolly when unlocked. Notched swivel plate assures perfect realignment of dolly after turning.

For dimensions and capacities of all units, see page 6.

For more detailed information, see **Modern Rigging and Hauling with Multiton Roller Skids** (bulletin UR-1A).

YOU A LONG LIFE OF SERVICE THAN YOU PAID FOR THEM.



MARK 5B

The frame is a one-piece steel casting, heat treated for extra toughness. The endless chain consists of 18 rollers, and each one is divided into 3 independently revolving rollers for maximum turning ease. Required tractive power is reduced greatly by the large 1¾-inch diameter of the rollers. Holding pins and links of the chain assembly are composed of high-stress alloy steel and assure you of strength beyond your needs. □ Use Mark 5B skids in pairs or sets of four. In pairs, loads will negotiate all turns except 90° broadsides and will follow any tractor-selected path. Loads supported by four Mark 5B skids will follow straight lines. To turn, relieve pressure by applying a jack or hoist—then re-position the dollies in the direction desired. Mark 5B roller skids can be equipped with swivel plates. However, as Mark 5B's are used principally for moving loads upwards of 100 tons in weight, swivelling will be impossible unless the load is first lifted by means of a jack or hoist.



MARK 6

The extra heavy-duty dolly for exceptional loads. Designed to handle loads up to 300 tons in weight. The fabricated steel frame features a unique center support (which also serves as the divider for the two, independent roller chains). All chain components are made of carefully tempered alloy steel for maximum strength. 32 rollers spread the load evenly over 187 square inches—eliminating, in most cases, the need for special, heavy-duty floors.

King-sized rollers (2¾ inch diameter) greatly reduce rolling friction and make starting easier by cutting the effort needed to overcome inertia. Used in pairs or sets of four, Mark 6 roller skids work in exactly the same way as the Mark 5B.



MULTITON JUNIOR KIT

The Multiton Junior Moving Kit contains everything you need for every moving job up to 6,000 lbs. Designed and built to give you years of trouble-free operation, this low-cost kit allows your own men to move, turn and position bulky machines or equipment anywhere in your plant. Tight quarters and rough floors are no problem for the Multiton Junior. It performs where other moving equipment fails — to save you time, money and effort!

COMPLETE KIT INCLUDES:

4 MULTITON JUNIOR DOLLIES, each 12" x 5" x 3", ruggedly built, with 3 rollers mounted on sealed ball bearings, to give smooth, even transport to full 1,500-lb. loads.

4 SWIVEL ATTACHMENTS, that fit right on the dollies, complete with cast studs to hold the load steady, as dolly turns easily underneath.

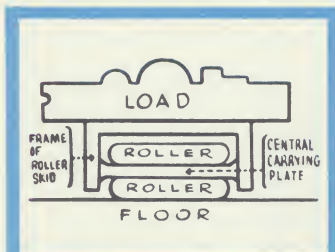
1 TURNING HANDLE CONNECTOR for turning loaded dollies equipped with swivel attachments.

2 TANDEM CONNECTORS, when dollies are used in pairs.

1 STEEL CASE, 13½" x 13½" x 9", made of heavy-duty sheet steel, for compact storage of your Multiton Junior Moving Kit, and equipped with 2 handles for easy carrying to job locations.

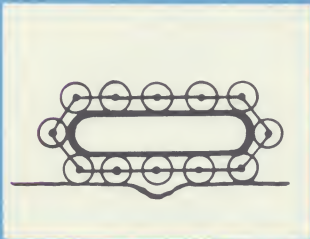


6 reasons why you should use **MULTITON** roller skids for moving your heavy loads.



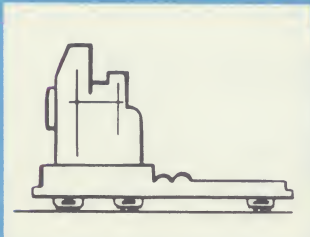
1

Support tremendous loads... Multiton roller skids will support up to 3200 times their own weight...because the load is concentrated directly over the rollers, thus eliminating unsupported overhang which ordinarily exists on all axle supported carriers.



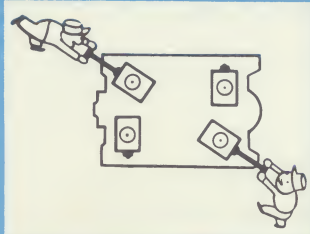
2

Rough floors no detriment... Multiton roller skids (Mark 4, 5, and 6 Series) are designed so that there are always enough hardened steel rollers in constant contact with the floor. Thus, cracks that would ordinarily stop or deflect any wheel or caster supported carrier are easily bridged. Multiton actually rolls on its own ever-smooth floors.



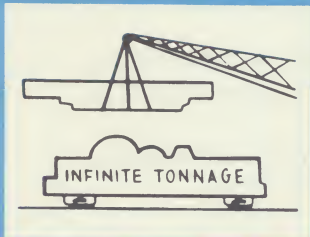
3

Supports load wherever needed... Multiton single unit systems will support any shape of load, as Multiton units, contrary to truck type carriers, may be placed wherever the support is needed, thus assuring placement near the center of gravity.



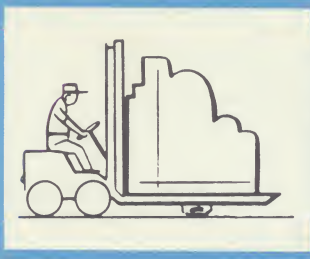
4

Turns loads at will... Multiton roller skids, equipped with Swivel Plates (Mark 4S, Junior, 5S and TL 5) enable any load to be reoriented in the course of its movement. Contrary to any other known conveyance, Multiton accomplishes any turns, including 90 degree turns. You can even turn a load completely around within its own length.



5

Free your expensive equipment for other tasks... Multiton roller skids are sturdy and versatile and are the ideal equipment for any surface moving. Thus in the interest of equipment and manpower economy, overhead cranes and stacking equipment can be reserved for their respective primary purposes while Multiton roller skids will take care of the entire surface moving.



6

Increases fork lift capacity... Multiton roller skids combined with a fork lift truck vastly enhances the versatility of the truck. By placing $\frac{2}{3}$ of the dead weight of the load on roller skids a 3-ton truck can easily handle 9 tons without overloading expensive equipment.

"GIVEN THE RIGHT TOOLS A MAN CAN MOVE A MOUNTAIN"

MULTITON ROLLER SKID DIMENSIONS AND WEIGHTS

MODEL	Jr.	4	4S	5	5S	TL5	5B	6
Weight (lbs.)	16	27	32	42	47	50	135	430
Length	12"	10½"	10½"	12¾"	12¾"	12¾"	22½"	25½"
Width	5"	5"	5"	6¼"	6¼"	6¼"	7½"	12"
Height	3"	3⅝"	4¼"	3¾"	4¼"	4¾"	5⅝"	7"
No. of rollers	3	12	12	14	14	14	18	32
Roller length	3½"	3⅞"	3⅞"	3⅞"	3⅞"	3⅞"	6"	2¾"
Roller diam.	2½"	1⅞"	1⅞"	1⅞"	1⅞"	1⅞"	1¾"	2⅜"
Turntable diam.	4¾"	—	5"	—	6½"	6½"	—	—
Capacity, each	1500 lbs.	SEE TABLE BELOW FOR RECOMMENDED MAXIMUM LOADS.						150 tons

RECOMMENDED MAXIMUM LOADS FOR NORMAL MOVING SPEEDS NOT EXCEEDING 2 MPH
 (Multiton Mark 4, 4S; 5, 5S, TL5; 5B)

No. of skids under load	*) Average Conditions			**) Favorable Conditions			***) Ideal Conditions		
	Mark 4, 4S	Mark 5, 5S, TL 5	Mark 5B	Mark 4, 4S	Mark 5, 5S, TL 5	Mark 5B	Mark 4, 4S	Mark 5, 5S, TL 5	Mark 5B
2	9 tons	15 tons	70 tons	15 tons	25 tons	120 tons	21 tons	36 tons	160 tons
3	12 tons	20 tons	105 tons	20 tons	34 tons	180 tons	29 tons	48 tons	240 tons
4	15 tons	25 tons	140 tons	25 tons	42 tons	240 tons	36 tons	60 tons	320 tons

*) AVERAGE CONDITIONS include: a normal factory floor (concrete, wood block, or brick); average ramps or inclines.

**) FAVORABLE CONDITIONS include: good factory floors (concrete or wood block); weak floor spots to be reinforced by steel plate; very slight inclines only; clean path of move.

***) IDEAL CONDITIONS include: steel floors or channel tracks throughout the move; level moving path; spotlessly clean path; gradual moving speed (no jerking) turns only while load is stationary.

Note also the following: 1. The Mark 5 (5S or TL 5) Series will perform more satisfactorily than Mark 4 if floors are weak or comparatively soft. The Mark 5 has more rollers and longer rollers, thus spreading the load over a wider area.
 2. If loads are to be moved over "improved" rail crossings, always use Mark 5, 5S or TL 5 skids.

We reserve the right to change designs and specifications without notice.

TURNING HANDLE AND TANDEM CONNECTORS

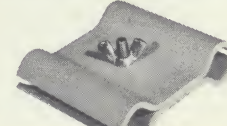
Turning handle connector for the Junior, 4S and 5S Skid



Connector for the turn-and-lock Roller Skid



Tandem connector for straight-motion Skids



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